The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
Week	6	Week0 week0 week1 week2 week3 week4
Industry	6	AutoMobi Entertai Gold IT RealEsta Tourism
CityType	2	Metro Rural

Number of Observations Read	55
Number of Observations Used	55

The GLM Procedure

Dependent Variable: ProductiveHours

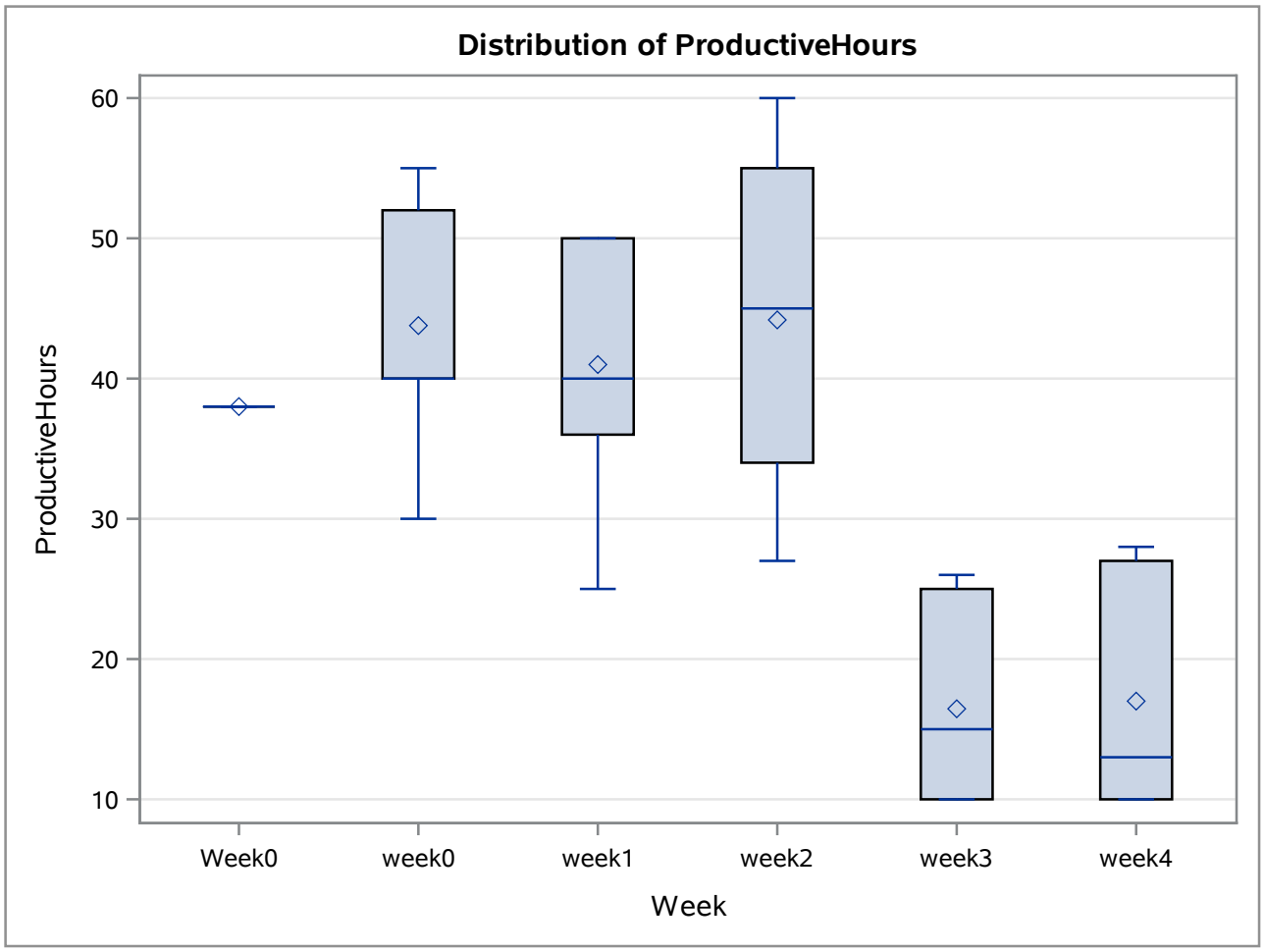
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	31	11856.65909	382.47287	19.20	<.0001
Error	23	458.25000	19.92391		
Corrected Total	54	12314.90909			

R-Square	Coeff Var	Root MSE	ProductiveHours Mean
0.962789	13.83094	4.463621	32.27273

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Week	5	8972.989899	1794.597980	90.07	<.0001
Industry	5	1044.550629	208.910126	10.49	<.0001
CityType	1	609.873227	609.873227	30.61	<.0001
Week*Industry	20	1229.245336	61.462267	3.08	0.0053

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Week	5	7549.219777	1509.843955	75.78	<.0001
Industry	5	1002.837721	200.567544	10.07	<.0001
CityType	1	546.750000	546.750000	27.44	<.0001
Week*Industry	20	1229.245336	61.462267	3.08	0.0053

The GLM Procedure



The GLM Procedure

Tukey's Studentized Range (HSD) Test for ProductiveHours

Note: This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	23
Error Mean Square	19.92391
Critical Value of Studentized Range	4.38831

Comparisons significant at the 0.05 level are indicated by *.**

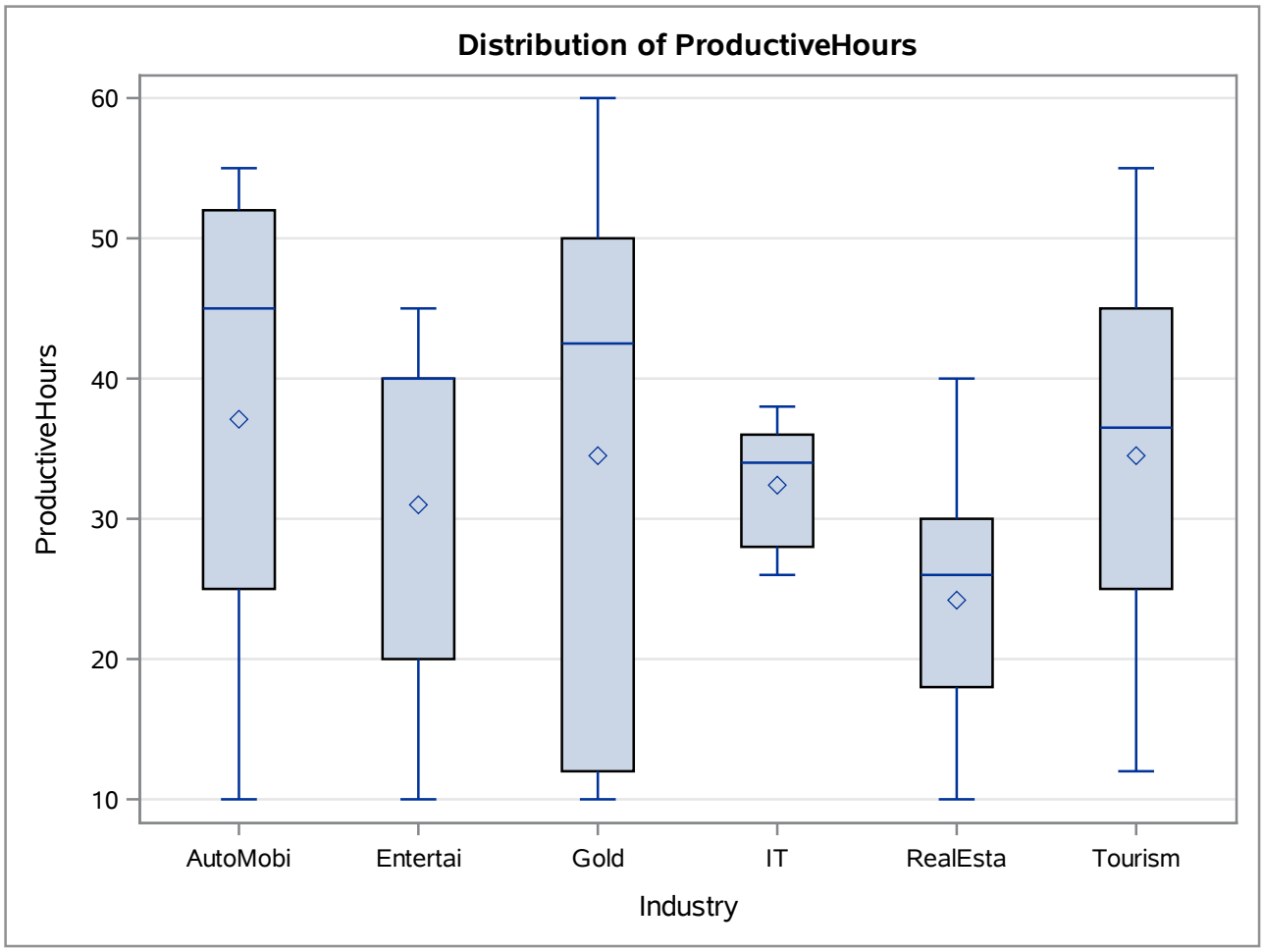
Week Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
week2 - week0	0.404	-5.821	6.629	
week2 - week1	3.182	-2.724	9.088	
week2 - Week0	6.182	-4.465	16.829	
week2 - week4	27.182	21.276	33.088	***
week2 - week3	27.727	21.821	33.633	***
week0 - week2	-0.404	-6.629	5.821	
week0 - week1	2.778	-3.448	9.003	
week0 - Week0	5.778	-5.050	16.605	
week0 - week4	26.778	20.552	33.003	***
week0 - week3	27.323	21.098	33.549	***
week1 - week2	-3.182	-9.088	2.724	
week1 - week0	-2.778	-9.003	3.448	
week1 - Week0	3.000	-7.647	13.647	
week1 - week4	24.000	18.094	29.906	***
week1 - week3	24.545	18.640	30.451	***
Week0 - week2	-6.182	-16.829	4.465	
Week0 - week0	-5.778	-16.605	5.050	
Week0 - week1	-3.000	-13.647	7.647	
Week0 - week4	21.000	10.353	31.647	***
Week0 - week3	21.545	10.898	32.193	***
week4 - week2	-27.182	-33.088	-21.276	***
week4 - week0	-26.778	-33.003	-20.552	***
week4 - week1	-24.000	-29.906	-18.094	***
week4 - Week0	-21.000	-31.647	-10.353	***
week4 - week3	0.545	-5.360	6.451	
week3 - week2	-27.727	-33.633	-21.821	***

The GLM Procedure

Tukey's Studentized Range (HSD) Test for ProductiveHours

Comparisons significant at the 0.05 level are indicated by ***.				
Week Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
week3 - week0	-27.323	-33.549	-21.098	***
week3 - week1	-24.545	-30.451	-18.640	***
week3 - Week0	-21.545	-32.193	-10.898	***
week3 - week4	-0.545	-6.451	5.360	

The GLM Procedure



The GLM Procedure

Tukey's Studentized Range (HSD) Test for ProductiveHours

Note: This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	23
Error Mean Square	19.92391
Critical Value of Studentized Range	4.38831

Comparisons significant at the 0.05 level are indicated by *.**

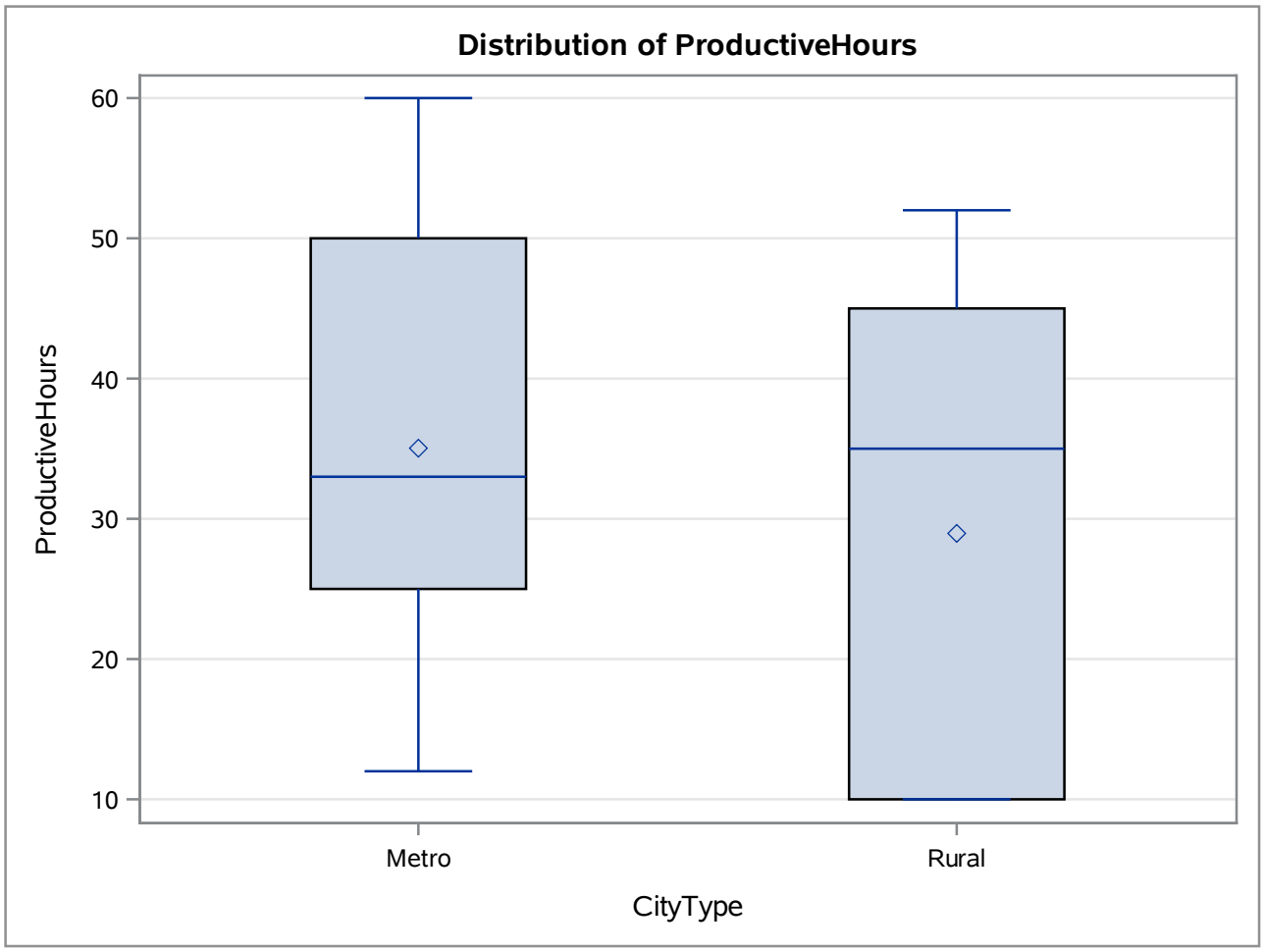
Industry Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
AutoMobi - Tourism	2.600	-3.594	8.794	
AutoMobi - Gold	2.600	-3.594	8.794	
AutoMobi - IT	4.700	-2.886	12.286	
AutoMobi - Entertai	6.100	-0.094	12.294	
AutoMobi - RealEsta	12.900	6.706	19.094	***
Tourism - AutoMobi	-2.600	-8.794	3.594	
Tourism - Gold	0.000	-6.194	6.194	
Tourism - IT	2.100	-5.486	9.686	
Tourism - Entertai	3.500	-2.694	9.694	
Tourism - RealEsta	10.300	4.106	16.494	***
Gold - AutoMobi	-2.600	-8.794	3.594	
Gold - Tourism	0.000	-6.194	6.194	
Gold - IT	2.100	-5.486	9.686	
Gold - Entertai	3.500	-2.694	9.694	
Gold - RealEsta	10.300	4.106	16.494	***
IT - AutoMobi	-4.700	-12.286	2.886	
IT - Tourism	-2.100	-9.686	5.486	
IT - Gold	-2.100	-9.686	5.486	
IT - Entertai	1.400	-6.186	8.986	
IT - RealEsta	8.200	0.614	15.786	***
Entertai - AutoMobi	-6.100	-12.294	0.094	
Entertai - Tourism	-3.500	-9.694	2.694	
Entertai - Gold	-3.500	-9.694	2.694	
Entertai - IT	-1.400	-8.986	6.186	
Entertai - RealEsta	6.800	0.606	12.994	***
RealEsta - AutoMobi	-12.900	-19.094	-6.706	***

The GLM Procedure

Tukey's Studentized Range (HSD) Test for ProductiveHours

Comparisons significant at the 0.05 level are indicated by ***.				
Industry Comparison	**Difference Between Means**	**Simultaneous 95% Confidence Limits**		
RealEsta - Tourism	-10.300	-16.494	-4.106	***
RealEsta - Gold	-10.300	-16.494	-4.106	***
RealEsta - IT	-8.200	-15.786	-0.614	***
RealEsta - Entertai	-6.800	-12.994	-0.606	***

The GLM Procedure



The GLM Procedure

Tukey's Studentized Range (HSD) Test for ProductiveHours

Note: This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than REGWQ.

Alpha	0.05
Error Degrees of Freedom	23
Error Mean Square	19.92391
Critical Value of Studentized Range	2.92552
Minimum Significant Difference	2.5005
Harmonic Mean of Cell Sizes	27.27273

Note: Cell sizes are not equal.

Means with the same letter are not significantly different.			
Tukey Grouping	**Mean**	**N**	**CityType**
A	35.033	30	Metro
B	28.960	25	Rural